

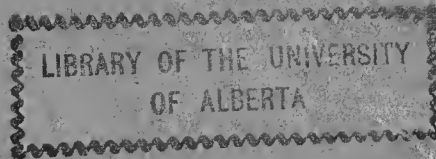
20 SEP 1954

Local Board  
of Health  
Annual Report  
1950

# REPORT

of the

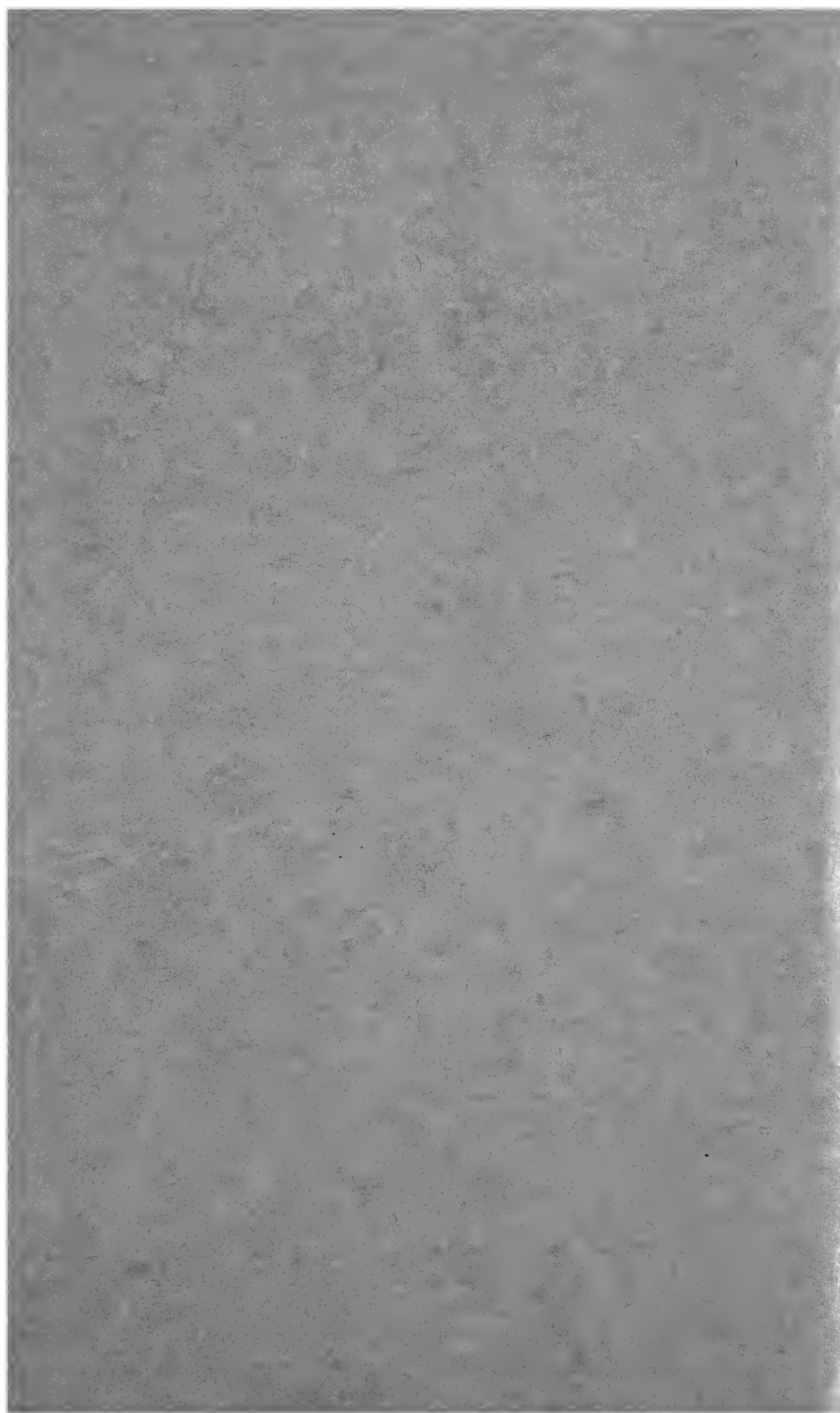
## Local Board of Health



THE CITY OF EDMONTON

ALBERTA

1950



## BOARD OF HEALTH, 1950

Dr. D. R. Easton                      Dr. R. M. Shaw, Chairman  
    Ald. E. I. Clarke                      Dr. R. M. Shaw  
    Ald. F. A. Ford  
    Dr. G. H. Brown, Edmonton Public School Board  
    Mr. J. A. Gallant, Separate School Board

### EX-OFFICIO MEMBERS

   Mayor S. Parsons  
 Dr. G. M. Little, M.O.H.                      Mr. J. D. A. MacDonald, City Engineer  
    Catharine Rose, Secretary

## BOARD OF HEALTH, 1951

Dr. D. R. Easton, Chairman  
 Dr. R. M. Shaw                      Ald. F. A. Ford                      Dr. D. R. Easton  
    Ald. F. Mitchell  
    Dr. G. H. Brown, Edmonton Public School Board  
    Mr. A. J. Crowe, Separate School Board

### EX-OFFICIO MEMBERS

   Mayor S. Parsons  
 Dr. G. M. Little, M.O.H.                      Mr. J. D. A. MacDonald, City Engineer  
    Catharine R. Rose, Secretary

### STAFF

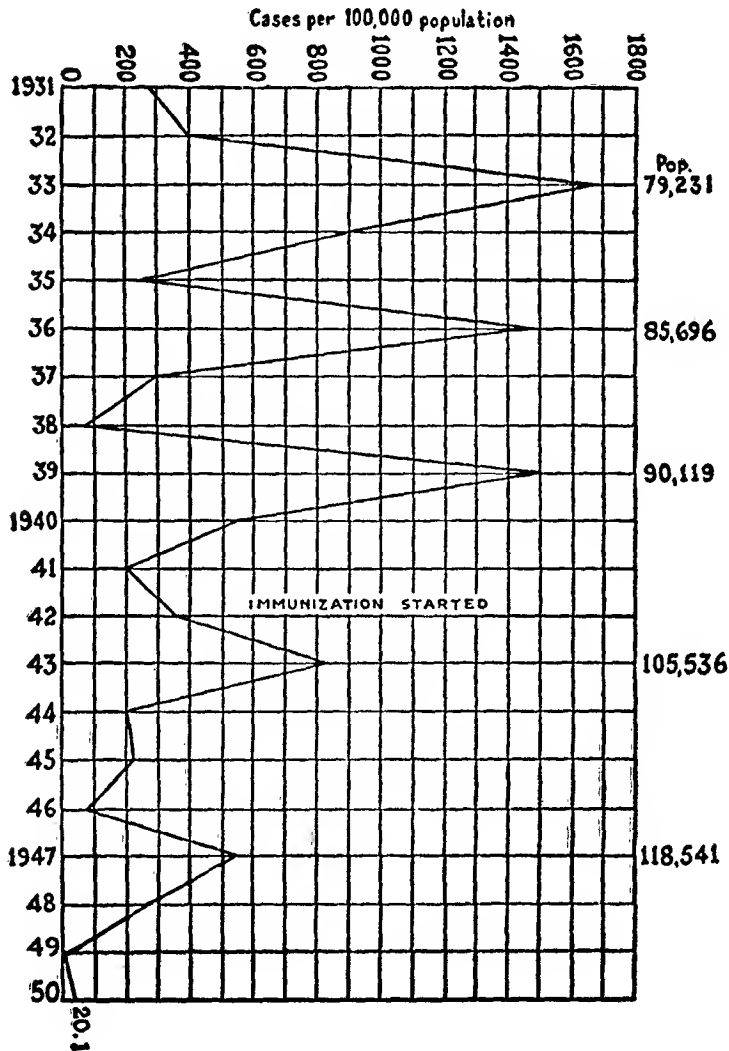
Medical Officer of Health.....	G. M. Little, M.D., D.P.H.
Secretary, Board of Health.....	Rose, Miss C. R.
Public Health Nurse, Sr.....	Griffith, Miss M., R.N.
Public Health Nurse, Sr.....	Christensen, Miss S. C., R.N.
Public Health Nurse, Sr.....	Thompson, Miss M. E., R.N.
Public Health Nurse.....	Lea, Miss E., R.N.
Public Health Nurse.....	Lesik, Mrs. R., R.N.
Public Health Nurse.....	Mayhew, Miss E., R.N.
Chief Sanitary Inspector.....	Alexander, L. G., C.I.S. (C.)
Sr. Sanitary Inspector.....	Chase, H. G., C.I.S. (C.)
Sanitary Inspector.....	Hill, G. B., C.I.S. (C.)
Sanitary Inspector.....	Kent, Wm., C.I.S. (C.)
Sanitary Inspector.....	Kyle, R. S.
Sanitary Inspector.....	Overton, L. B., C.I.S. (C.)
Sanitary Inspector.....	Powell, E. C., C.I.S. (C.)
Meat Inspector.....	Morrison, Dr. D. M., V.S.
Milk and Dairy Supervisor .....	Meredith, R. B., C.I.S. (C.)
Dairy Inspector .....	Burdess, G., C.I.S., (C)
Stenographer, Sr.....	Derbyshire, Miss K. D.
Stenographer.....	Craig, Miss I.
Stenographer.....	Hansch, Miss P.
Clerk.....	Lang, Miss F.
Clerk.....	Lee, Miss M.

### CONTENTS:

Annual Report of M.O.H. ....	3
Financial Statement .....	5
Summary of Statistics .....	5
Vital Statistics .....	6
Infant Mortality .....	7
International List of Causes of Deaths .....	8, 9
Principal Causes of Deaths .....	10, 11
Immunization .....	11
Communicable Disease .....	12, 13, 14
Isolation Hospital .....	15
School Medical Services .....	15
Public Health Nursing.....	16
Sanitation .....	17
Food Inspection .....	19
Milk and Water .....	22

# WHOOPING COUGH MORBIDITY

EDMONTON, 1931 - 1950



This disease has been characterized by a high peak of incidence every third year until Sauer-type vaccine was introduced in 1942. Since that time these peaks are markedly lowered and are further apart. This has occurred during a period of rapid increase and overcrowding in our population.

## Annual Report of the Medical Officer of Health

Chairman and Members,  
Local Board of Health,  
Edmonton, Alberta.

Gentlemen:

Herewith is submitted a report of the activities of our Board and certain other health agencies of the City during 1950:

### BIRTHS:

Our birth-rate per 1,000 population showed only a slight increase, so that the total increase of 376 babies born to residents in 1950 indicates chiefly our increase in population. That nearly one-third the 6,813 babies born in the City were to non-residents presents a measure of the considerable area outside our City for which local institutions are providing hospital beds.

### DEATHS:

Our general death-rate at 7.6 per 1,000 population gave a slight increase. The chief cause of death, heart disease, showed some reduction. The second cause of death, cancer, continued to increase. Increase of death from cancer is to be expected in a population whose average age is increasing; but if our citizens will pay attention to those early signs of cancer and will seek prompt attention, there is no doubt many deaths from this disease may be prevented.

Our infant mortality rate of 25.5 per 1,000 living births gives a slight increase, but remains amongst the lowest on this continent.

### COMMUNICABLE DISEASES:

A total increase in communicable diseases was due chiefly to extensive outbreaks of mumps and rubella. The incidence of serious communicable disease, however, remained low, although some increase in tuberculosis and venereal disease were recorded. Only one case of diphtheria and thirty cases of whooping cough marks a satisfying result of continued immunization against these diseases. For the same reason we have had no case of smallpox in our City since 1936.

### CLINICS:

Our Well-Baby and Pre-School Clinic again showed an increased attendance to 15,322. Here supervision is given the physical development of the growing child, and assistance given with infant feeding and other problems. In addition, 2,564 home visits were made by nurses from this clinic to advise mothers in the home.

Citizens have used our Immunization Clinic freely, and to this we give much credit for the control of such serious communicable diseases as diphtheria, whooping cough and smallpox. The attendance at this clinic during the year was 21,624.

### SANITATION:

From the sanitary standpoint, general cleanliness of the City has been good. However, considerable refuse blows about our streets at times. Examination of this material indicates that much of it has been thrown on the street by careless citizens. Most of this material is not insanitary, but creates untidy streets. This is especially bad in the spring when the winter's accumulation becomes evident. If we can increase the number of trash collecting boxes in the business areas and at bus stops in outlying areas, much of this debris will eventually be kept off the streets.

Sanitary supervision of restaurants, stores and other food handling establishments is producing increasingly good results as indicated by our bacteriological control of these places.

Constant supervision of our milk supply is maintained on farms, in milk plants and delivery wagons, and 9,741 samples of milk were tested for purity.

Daily samples of the City water supply were examined for bacteria and for chlorine content. The water from a number of private wells was tested, as were regular samples from City and private swimming pools.

Our veterinarian, who inspects all animals slaughtered in our two non-exporting abattoirs, condemned 28,012 pounds of diseased meats. By far the greatest single cause of such condemnation was tuberculosis in pork, which accounted for 12,764 pounds.

**GENERAL:**

The rapid increase in our population has continued, and with it has increased the demand for public health services. In the face of the need for expansion and possibly re-organization of these services, co-ordination of the various services as far as possible seems an effective economic and timely measure. Some financial help now promised to cities by the Province should facilitate bringing this about. Indeed, both provincially and municipally there are various groups doing an excellent piece of public health work, but who could enhance the value to our citizens by maintaining closer co-ordination of these groups.

We have co-operated to the extent of our facilities in the teaching of nurses from various hospitals and nurses and medical students from the University of Alberta.

Many of our citizens are still forced to live in unsatisfactory housing. The answer to this problem is, of course, economic. The solution is likely to be made more difficult by semi-war-time restrictions and costs plus a continuing rapid increase of our population. The remedy lies beyond the public health field; but I see this as one of the greatest present hazards to the physical and mental welfare of a considerable part of our population.

Respectfully submitted,

G. M. LITTLE,  
MEDICAL OFFICER OF HEALTH.

## EXPENDITURES

	1950	1949
1. Salaries .....	\$ 62,299.35	\$ 56,385.26
2. Supplies .....	1,766.74	1,804.96
3. Transportation .....	5,135.17	5,491.83
4/6. Telephones, Sundries, Uniforms ..	1,906.17	1,859.52
7. Pensions .....	4,788.87	5,858.10
	<u>\$ 75,896.30</u>	<u>\$ 71,389.72</u>

## REVENUE

Permits .....	\$ 304.25	
Meat Inspection .....	818.50	
Prov. Govt. Grant .....	2,500.00	
License Dept. ....	1,500.00	
	<u>\$ 5,122.75</u>	
	5,122.75	5,214.90
	<u>\$ 70,773.55</u>	<u>\$ 66,174.82</u>

## Cost Per Capita

Local Board of Health .....	\$ 75,896.30	.51c	\$ 71,389.72	.52c
School Medical Services .....	47,264.48	.32c	39,675.00	.29c
Total cost per capita .....	\$123,150.78	.83c	\$111,064.72	.81c

## EXPENDITURE CLASSIFIED—1950

	Administration	Communicable Disease	Dairy Inspection	Food Inspection	Public Health Nursing	Sanitation	Vital Statistics	Bath House	TOTALS
1. Salaries .....	\$11,914.35	\$ 8,891.26	\$6,274.33	\$4,671.32	\$ 8,894.43	\$20,514.08	\$1,079.52	\$ 60.04	\$62,229.35
2. Supplies .....	1,086.38	172.91	50.57	.....	237.74	101.70	.....	117.44	1,766.74
3. Transportation .....	480.00	1,859.35	1,295.90	300.00	598.71	1,601.21	.....	.....	5,135.17
4. Telephones .....	116.46	65.76	38.64	17.76	55.56	75.55	.....	.....	369.73
5. Sundries .....	623.91	233.89	90.01	.....	325.79	57.46	.....	.....	1,331.06
6. Uniforms .....	.....	.....	.....	36.53	53.80	115.05	.....	.....	205.38
7. Pensions .....	4,788.87	.....	.....	.....	.....	.....	.....	.....	4,788.87
	<u>\$19,009.99</u>	<u>\$10,223.17</u>	<u>\$7,749.45</u>	<u>\$5,025.61</u>	<u>\$10,166.03</u>	<u>\$22,465.05</u>	<u>\$1,079.52</u>	<u>\$177.48</u>	<u>\$75,896.30</u>
	25.0%	13.5%	10.2%	6.7%	13.4%	29.6%	1.4%	.2%	100%

## SUMMARY OF STATISTICS

Area of City, 26,778 acres including 1,000 acres of water and 2,147 acres in Parks.

	1950	1949	1948	1947	1946
Population .....	148,861	137,469	126,609	118,541	114,976
Persons per acre of land .....	5.4	5.0	4.7	4.4	4.2
Cost per capita .....	.51	.52	.51	.46	.44
School enrolment .....	23,306	21,452	19,859	19,071	18,988
Natural increase of population .....	3,481	3,282	2,935	2,920	2,283
<b>Births</b>					
Total births .....	6,813	6,514	5,928	6,019	5,455
Resident births only .....	4,622	4,246	3,938	3,838	3,251
Resident rate per 1,000 population .....	31.3	30.8	31.1	32.3	28.8
<b>Stillbirths</b>					
Total stillbirths .....	82	97	90	109	83
Resident stillbirths only .....	59	57	54	62	51
Resident stillbirth rate per 1,000 living births .....	12.8	13.4	13.7	16.1	15.7
<b>Deaths</b>					
Total deaths .....	1,694	1,556	1,609	1,482	1,576
Resident deaths only .....	1,141	964	1,003	819	968
Resident rate per 1,000 population .....	7.6	7.0	7.9	7.7	8.4
<b>Infant Mortality</b>					
Total deaths under 1 year of age .....	196	161	204	201	197
Resident deaths under 1 year of age .....	118	99	126	123	111
Resident rate per 1,000 living births .....	25.5	23.3	31.9	32.0	34.1
<b>Maternal Mortality</b>					
Maternal deaths (city only) .....	1	2	1	1	5
Rate per 1,000 living births .....	.21	.47	.25	.27	1.5
<b>Marriages</b>					
Marriages .....	2,649	2,539	2,490	2,374	2,205
Rate per 1,000 population .....	17.2	18.4	19.6	20.0	19.1

## VITAL STATISTICS

Births				
	1950	1949	1948	1947
Total births	6,813	6,514	5,928	6,019
Resident births only	4,622	4,246	3,938	3,838
Male	2,357	2,197	2,121	2,008
Female	2,265	2,049	1,817	1,830
Double Births	43	44	42	39
Resident illegitimate births	196	211	188	145
Total illegitimate births	390	441	436	373
Age group of mothers—				
15-19 years	269	249	241	192
20-24 years	1,417	1,332	1,239	1,251
25-29 years	1,541	1,426	1,317	1,240
30-34 years	901	813	745	763
Over 34 years	487	426	386	392
Born in Institutions—	4261.			
Maternal Parentage:				
Canada	4,156	3,759	3,463	3,095
British Isles	209	245	290	473
Europe and Asia	155	146	114	161
U.S.A.	68	87	62	92
Other countries	4	9	9	17
Stillbirths				
Total stillbirths	82	97	90	109
Resident stillbirths only	59	57	54	62
Male	21	31	30	31
Female	38	26	24	31
Born in institutions	59	57	54	62
Cause of Foetal deaths:				
Dystocia	21	21	13	23
Prematurity	5	6	8	6
Toxaemia of pregnancy	6	6	7	5
Malformation	10	13	8	9
Placenta and membranes	5	9	6	8
Traumatism and overwork	1			1
Syphilis	1		1	
Other conditions	10	7	11	10
Deaths				
Total deaths	1,694	1,556	1,609	1,482
Resident deaths only	1,141	964	1,003	918
Male	695	580	600	553
Female	446	384	403	365
Resident rate per 1,000 population	7.6	7.0	7.9	7.7
Racial Origin				
Canada	384	295	282	279
British Isles	381	346	399	355
Europe and Asia	224	180	197	196
U.S.A.	64	54	65	40
Others	88	88	60	48
Infant Mortality				
Total deaths under 1 year of age	196	161	204	201
Resident deaths under 1 year of age	118	99	126	123
Male	66	50	80	72
Female	52	49	46	51
Legitimate	114	91	113	106
Infant mortality rate per 1,000 living births	25.5	23.3	31.9	32.0



# INFANT MORTALITY, 1950 SEX BY MONTH

	TOTAL	Male	Female	January	February	March	April	May	June	July	August	September	October	November	December	1st Day	1st Week	2nd Week	3rd Week	4th Week	Total Under 1 Month	1-3 Months	4-6 Months	7-9 Months	10-12 Months
053.4 Septicaemia	1	1	1												1						1				1
193 Malignant neoplasm of brain	1	1	1					1													3	1			
325.4 Mental deficiency	4	3	1					1									1	2				1			
340 Meningitis, except meningococcal and Tuberculosis	1	1	1		1							2			1							1	1		
344 Late effects of intracranial abscess	1	1	1																						
480/81 Influenza	2	1	1						1						1							1			
490/493 Pneumonia	5	3	2			1	1							1	2							4			1
570/572 Other diseases of intestines and Peritoneum	8	5	3					2	1	2	1	1		1	2	1					1	5	2		
751 Spina bifida and meningocele	6	3	3			1	1	2	2					1	1	1					1	2	2		1
752 Congenital hydrocephalus	1	1	1											1								1			
754 Congenital malformations of circulatory system	5	3	2			1	1				1	1	2				3	1			4	1			
755 Cleft palate and harelip	1	1	1															1							
757 Congenital malformations of genito-urinary system	1	1	1									1							1		1				
759 Other and unspecified congenital malformations	3		3					1						1		2		1			3				
760 Intracranial and spinal injury at birth	4	1	3					1						1	1	2									
761 Other birth injury	4	2	2		2			1	1							3	2	1			4				
762 Postnatal asphyxia and atelectasis	24	15	9		3	4	1	2	2	2	2	1	1	3	2	14	8				22	1	1		
763 Pneumonia of newborn	5	3	2					1	1				2		2	1	1			2	4	1			
764 Diarrhoea of newborn	1	1	1									1					1				1				
767 Umbilical sepsis	1	1	1									1					1				1				
770 Haemolytic disease of newborn	4	3	1					1						2	1		2	1			3	1			
773 Ill-defined diseases peculiar to early infancy	1	1	1									1													
774 Immaturity with mention of other subsidiary condition	2		2				1	1										1			1	1			
775 Immaturity subsidiary to some other cause	1		1				1									1					1				
776 Immaturity unqualified	24	17	7	3	1	3			2	2	2	1	4	1	5	15	5	2		2	24	1			
795 Ill-defined and unknown	1	1	1								1														
903 Fall on same level	1	1											1												
922 Inhalation of object causing obstruction or suffocation	1		1				1																		
924 Accidental mechanical suffocation in bed and cradle	3	1	2	1								1	1						1		1				1
925 Accidental mechanical suffocation in other unspecified circumstances	1	1												1								1			
TOTALS	118	66	52	5	7	9	7	8	12	6	8	13	15	10	18	42	24	8	2	4	80	23	11	1	3

[illegible]

## Abridged International Classification of Causes of Death, 1950 (Continued)

	Under 1			1-5			5-14			15-19			20-29			30-39			40-49			50-59			60-69			70-79			80 & over		
Total	M	F		M	F		M	F		M	F		M	F		M	F		M	F		M	F		M	F		M	F				
40. Complications of pregnancy, childbirth and puerperium.....	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...			
41. Congenital malformations.....	20	7	13	7	10	...	2	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...			
42. Birth injuries, postnatal asphyxia, and atelectasis.....	32	18	14	18	14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...			
43. Infections of the newborn.....	8	5	3	4	3	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...			
44. Other diseases of early infancy, and immaturity unqualified.....	32	20	12	20	12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...			
45. Senility without mention of psychosis, ill-defined, and unknown causes.....	22	17	5	...	1	...	...	1	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...			
46. All other diseases.....	109	66	43	4	1	3	...	1	1	...	1	1	1	1	4	1	1	4	5	3	23	6	14	10	10	15	...	...	...	...			
47. Motor vehicle accidents.....	29	22	7	...	...	1	...	1	...	2	1	10	1	1	...	1	1	3	1	2	1	1	1	1	...	...	...	...	...	...			
48. All other accidents.....	50	35	15	3	3	1	...	...	1	2	...	...	5	...	6	...	6	...	6	...	5	...	...	3	4	8	...	...	...	...			
49. Suicide and self-inflicted injury.....	14	10	4	...	...	...	...	...	...	...	...	3	...	3	...	1	...	2	2	...	2	3	...	1	...	...	...	...	...	...			
50. Homicide and operations of war.....	5	4	1	...	...	...	...	...	...	...	...	...	...	...	1	1	3	...	...	...	...	...	...	...	...	...	...	...	...	...			
Totals.....	1141	695	446	66	52	10	4	9	7	5	4	25	7	29	17	43	31	73	44	185	92	161	106	89	82	...	...	...	...	...			

## PRINCIPAL CAUSES OF DEATH, 1950

		Total	Male	Female	% of Total Deaths	Rate per 100M Population
410-434	Diseases of the heart.....	291	202	89	25.7	195.4
140-205	Malignant neoplasms, including neoplasms of lymphatic and haematopoietic tissues.....	203	104	99	17.9	136.4
330-334	Vascular lesions affecting central nervous system.....	124	72	52	10.7	84.2
800-999	External causes.....	98	71	27	8.5	65.8
750-776	Diseases of early infancy.....	92	50	42	8.0	60.2
440-447	Hypertension.....	49	23	26	4.3	32.8
490-493	Pneumonia.....	39	22	17	3.4	26.0
794	Senility.....	22	17	5	1.9	14.9
001-019	Tuberculosis (all forms).....	22	13	9	1.9	14.9
590-594	Nephritis and Nephrosis.....	18	11	7	1.4	12.0
	All other diseases.....	183	110	73		
		1141	695	446		

## MORTALITY FROM HEART DISEASE

Year	Total Deaths	Deaths From Heart Disease	Percentage of Total Deaths	Rate per 100M Population
1950	1141	291	25.5	195.4
1949	964	287	29.7	208.7
1948	1003	291	29.0	238.5
1947	918	260	25.9	219.3
1946	968	262	27.0	227.8

## MORTALITY FROM CANCER

Year	Total Deaths	Deaths From Cancer	Percentage of Total Deaths	Rate per 100M Population
1950	1141	203	17.7	136.4
1949	964	159	16.4	115.6
1948	1003	160	15.9	126.3
1947	918	143	15.5	120.6
1946	968	146	15.1	126.9

## MORTALITY FROM INTRACRANIAL LESIONS OF VASCULAR ORIGIN

Year	Total Deaths	Deaths From This Cause	Percentage of Total Deaths	Rate per 100M Population
1950	1141	124	10.7	84.2
1949	964	101	12.5	74.1
1948	1003	113	11.1	89.2
1947	918	85	9.2	71.7
1946	968	97	10.0	84.3

## MORTALITY FROM TUBERCULOSIS

Year	Total Deaths	Deaths From Tuberculosis	Percentage of Total Deaths	Rate per 100M Population
1950	1141	22	1.9	14.9
1949	964	25	2.5	18.1
1948	1003	33	3.2	26.0
1947	918	28	3.0	23.6
1946	968	30	3.0	26.0

## MORTALITY FROM PNEUMONIA

Year	Total Deaths	Deaths From Pneumonia	Percentage of Total Deaths	Rate per 100M Population
1950	1141	39	3.4	26.0
1949	964	47	4.8	41.4
1948	1003	48	4.7	38.7
1947	918	56	6.1	47.2
1946	968	49	5.0	42.6

## MORTALITY FROM EXTERNAL CAUSES

Year	Total Deaths	Deaths From External Causes	Male	Female	Suicide	Homicide	Automobile Accidents	Other Accidents	Percentage of Deaths	Rate Per 100M Population
1950 .....	1141	98	71	27	14	5	29	50	8.5	65.8
1949 .....	964	73	57	16	10	3	20	40	7.4	53.0
1948 .....	1003	57	40	17	6	..	17	34	5.6	45.8
1947 .....	918	56	46	10	8	..	17	31	6.1	47.2
1946 .....	968	83	64	19	25	1	17	40	8.3	72.2

## IMMUNIZATION RECORD, 1950

	Board of Health	Edmonton Public School Board	Edmonton Sep. School Board	Private Physicians
<b>Diphtheria</b>				
1st dose .....	2,891	946	215	329
Re-inforcing doses .....	281	2,669	..	..
Total doses .....	10,880	4,966	488	..
<b>Whooping Cough</b>				
1st dose .....	2,821	391	..	319
Re-inforcing doses .....	2,462	161	..	..
Total doses .....	12,852	1,054	..	..
<b>Scarlet Fever</b>				
1st dose .....	650	..	..	18
Re-inforcing doses .....	319	..	..	..
Total doses .....	3,313	..	..	..
<b>Smallpox</b> .....	2,658	2,064	238	642
<b>Typhoid</b>				
1st dose .....	151	..	..	31
Re-inforcing doses .....	18	..	..	..
Total doses .....	542	..	..	..
<b>Tetanus</b>				
1st dose .....	1,605	..	..	8
Re-inforcing doses .....	2	..	..	..
Total doses .....	4,065	..	..	..
<b>Cholera</b>				
1st dose .....	5	..	..	..
Total doses .....	9	..	..	..
<b>Typhus</b>				
1st dose .....	5	..	..	..
Total doses .....	10	..	..	..
<b>Plague</b>				
1st dose .....	3	..	..	..
Total doses .....	6	..	..	..
<b>Dick Test</b> .....	99	..	..	..
<b>Schick test</b> .....	71	..	..	..
<b>Anti-Measles serum</b> .....	..	..	..	5

## IMMUNIZATION CLINIC

	1950	1949	1948
No. of persons receiving first doses. ....	9,235	10,703	7,325
No. of persons receiving re-inforcing doses	2,847	2,949	2,970
Total procedures .....	36,216	37,910	27,837
Attendance .....	21,624	24,811	18,177
No. of Clinics held .....	250	249	249
Average attendance .....	86.4	99.6	73

During the past year students attended our clinic for instruction and to observe our method and procedure. There were 90 student days during the year.

## COMMUNICABLE DISEASES, 1950-1946

	1950		1949		1948		1947		1946	
	C	D	C	D	C	D	C	D	C	D
Chickenpox.....	1,327	...	1,209	...	927	...	1,468	...	934	...
Diphtheria.....	1	...	2	1	2	...	6	...	3	...
Diphtheria carriers.....	2	...	2	...	12	...	4	...	4	...
Dysentery.....	1	...	3	...	2	1	...	...	...	...
Encephalitis.....	5	2	...	...	...	...	3	1	4	2
Erysipelas.....	14	...	17	...	22	...	17	...	23	...
Food Poisoning.....	5	...	5	...	...	...	...	...	...	...
Influenza.....	3	...	3	...	...	...	2	...	6	...
Hepatitis (infectious).....	1	...	...	...	...	...	1	...	...	...
Malaria.....	...	...	1	...	...	...	3	...	...	...
Measles.....	465	1	3,080	1	1,285	...	925	...	2,563	1
Meningitis (Meningococcic).....	2	...	5	...	2	1	2	...	4	...
Mononucleosis (infectious).....	5	...	5	...	...	...	1	...	...	...
Mumps.....	2,345	...	424	1	196	1	300	...	1,378	...
Paratyphoid.....	...	...	...	...	7	...	1	...	1	...
Paratyphoid carrier.....	...	...	...	...	1	...	...	...	...	...
Pneumonia (lobar).....	9	...	6	...	2	...	5	...	1	8
Poliomyelitis.....	38	2	28	...	88	6	...	...	8	...
Ringworm (microsporon audouini).....	10	...	7	...	...	...	...	...	...	...
Ringworm (others).....	1	...	4	...	...	...	...	...	...	...
Rubella.....	2,604	...	788	...	118	...	87	...	183	...
Scarlet Fever.....	499	2	121	...	83	...	79	...	173	...
Septic Sore Throat.....	29	1	7	...	2	...	1	...	7	...
Trachoma.....	...	...	1	...	...	...	...	...	...	...
Tuberculosis (Pulmonary).....	114	19	91	23	140	26	98	20	78	20
Tuberculosis (other forms).....	23	3	12	2	7	...	5	8	2	10
Typhoid Fever.....	...	...	1	...	1	...	...	...	...	...
Typhoid carriers.....	...	...	1	...	...	...	...	...	...	...
Undulant Fever.....	4	...	2	...	1	...	9	...	2	...
Vincent's Angina.....	12	...	4	...	9	...	7	...	7	...
Whooping Cough.....	30	...	3	...	364	2	628	2	92	...
<b>Venereal Disease—</b>										
Gonorrhoea.....	824	...	703	...	808	...	666	...	624	...
G. C. Vaginitis.....	...	...	...	...	...	...	8	...	3	...
Syphilis.....	43	5	83	4	95	5	104	5	81	4
Type Undetermined.....	...	...	...	...	16	...	4	...	12	...
	8,303	47	6,590	41	4,181	51	4,423	48	6,201	51
Morbidity per 1,000 population.....	55.7		47.8		33.0		37.2		53.9	
C—Cases.			D—Deaths.							

Communicable disease was responsible for 47 or 4.1% of the 1,141 City deaths during 1950.

Of these 47 deaths, 30 were over 19 years of age, 22 were due to all forms of Tuberculosis and 5 died from Syphilis.

31.2% or 2,604 cases of communicable disease were due to Rubella; 2,345 or 28.2% were due to Mumps; 15.5% or 1,327 were due to Chickenpox and 499 or 6.0% were due to Scarlet Fever.

	No. of Cases	Percent of Cases	No. of Deaths	Percent of Deaths
Pre-school cases—1 to 5 years .....	1,673	20.1%	7	14.9%
School cases—6 to 14 years .....	4,467	53.8%	6	12.8%
Over 14 .....	1,916	23.1%	34	72.3%
Age not stated .....	245	2.9%	...	...
Armed forces .....	2	.1%	...	...

## COMMUNICABLE DISEASE BY SEASON AND SEX, 1950

	Total	Male	Female	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Out- Side
Chickenpox.....	1327	677	650	232	113	62	37	95	105	115	51	39	74	163	241	9
Diphtheria.....	1	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Diphtheria Carriers.....	2	1	1	.....	.....	1	1	.....	.....	.....	.....	.....	.....	1	.....	5
Dysentery.....	5	4	1	.....	.....	2	1	.....	.....	2	.....	.....	.....	.....	.....	6
Encephalitis.....	14	6	8	2	1	1	.....	2	1	.....	1	.....	3	1	2	1
Erysipelas.....	5	4	1	.....	.....	.....	.....	2	.....	.....	.....	.....	2	1	.....	6
Food Poisoning.....	1	1	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hepatitis (infectious).....	465	206	259	237	79	38	32	29	17	16	1	4	2	7	8	18
Measles.....	2	2	2	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2
Meningitis (mening.).....	5	3	2	.....	.....	4	.....	.....	.....	.....	.....	.....	1	.....	.....	2
Mononucleosis (infections).....	2244	1158	1086	268	298	386	307	262	221	135	102	51	80	57	95	28
Mumps.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Paratyphoid.....	38	20	18	.....	.....	.....	.....	10	.....	5	23	5	4	1	.....	31
Polioomyelitis.....	10	10	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Ringworm (microsporan audouini).....	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Ringworm (others).....	2604	1230	1374	863	700	470	222	206	79	4	8	12	9	10	21	14
Rubella.....	499	235	264	28	18	35	35	40	40	16	16	47	57	82	85	46
Scarlet Fever.....	29	19	10	4	2	6	12	4	2	2	.....	.....	4	.....	.....	3
Septic Sore Throat.....	114	48	66	5	10	13	15	12	6	5	17	1	3	.....	21	2
Tuberculosis (pulm.).....	23	13	10	4	2	1	1	2	1	.....	.....	.....	4	.....	8	2
Tuberculosis (other forms).....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Tularemia.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Undulant Fever.....	4	2	2	.....	.....	.....	1	1	1	1	.....	.....	.....	.....	.....	1
Vincent's Angina.....	12	4	8	5	.....	.....	.....	1	3	2	6	4	6	2	8	2
Whooping Cough.....	30	17	13	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Veneral Disease.....	824	472	352	57	65	42	62	45	72	74	72	78	89	94	74	.....
Gonorrhoea.....	43	25	18	3	3	2	5	4	4	3	4	4	4	2	2	.....
Syphilis.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
TOTALS.....	8303	4158	4145	1705	1292	1042	725	715	552	380	301	249	352	421	569	187
DEATHS.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Encephalitis.....	2	1	1	.....	.....	.....	.....	1	1	.....	.....	.....	.....	.....	1	.....
Influenza.....	3	2	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Measles.....	1	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Lobar Pneumonia.....	9	7	2	1	.....	.....	.....	3	1	1	.....	.....	.....	1	2	.....
Polioomyelitis.....	2	1	1	.....	.....	.....	.....	.....	.....	.....	.....	2	.....	.....	.....	.....
Scarlet Fever.....	2	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	.....	.....
Septic Sore Throat.....	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Tuberculosis (pulmonary).....	19	12	5	3	2	1	1	.....	4	.....	2	3	2	1	.....	.....
Tuberculosis (other forms).....	3	1	3	.....	.....	1	.....	.....	1	.....	1	.....	.....	.....	.....	.....
Syphilis.....	5	5	.....	.....	.....	.....	.....	.....	1	.....	2	1	.....	.....	1	.....
TOTALS.....	47	33	14	5	2	2	1	4	9	1	5	6	2	5	6	.....

## COMMUNICABLE DISEASE BY AGE, 1950

	City		Under		1/4	5/14	15/19	Over	Not	Armed	Non-
	Cases	Male	Female	1	1	1	1	20	Stated	Forces	resident
Chickenpox.....	1,327	677	650	54	435	771	18	24	24	1	9
Diphtheria.....	1	1	1	1	1	1	1	1	1	1	4
Diphtheria Carriers.....	2	1	1	1	1	1	1	2	1	1	5
Dysentery.....	5	4	1	1	1	2	2	10	2	1	6
Encephalitis.....	14	6	8	1	2	1	1	3	3	1	6
Erysipelas.....	5	4	1	1	1	1	1	1	1	1	1
Food Poisoning.....	1	1	1	1	1	1	1	1	1	1	1
Hepatitis (infectious).....	465	206	259	26	193	198	20	16	12	1	18
Measles.....	2	3	2	1	1	1	1	2	2	1	2
Meningitis (mening.).....	3	3	2	1	1	1	1	1	1	1	1
Mononucleosis (infectious).....	2,244	1,158	1,086	15	394	1,525	70	164	76	1	28
Mumps.....	2,244	1,158	1,086	15	394	1,525	70	164	76	1	28
Paratyphoid.....	38	20	18	1	11	13	5	9	1	1	31
Polioyelitis.....	10	10	10	1	6	4	1	1	1	1	1
Ringworm (Microsporan audouini).....	1	1	1	1	1	1	1	1	1	1	1
Ringworm (others).....	2,604	1,230	1,374	74	318	1,609	309	233	60	1	14
Rubella.....	499	235	264	1	118	326	20	32	3	1	46
Scarlet Fever.....	29	19	10	1	2	2	9	14	3	1	2
Septic Sore Throat.....	114	48	66	1	2	2	7	73	32	1	2
Tuberculosis (Pulmonary).....	23	13	10	1	1	2	4	4	12	1	1
Tuberculosis (other forms).....	1	1	1	1	1	1	1	1	1	1	1
Tularemia.....	4	2	2	1	1	1	1	3	1	1	1
Undulant Fever.....	12	4	8	1	1	1	1	5	6	1	2
Vincent's Angina.....	30	17	13	1	13	14	1	1	1	1	8
Whooping Cough.....	824	472	352	1	1	1	122	696	6	1	1
Veneral Disease.....	43	25	18	1	1	1	5	35	1	1	1
Gonorrhoea.....	43	25	18	1	1	1	5	35	1	1	1
Syphilis.....	43	25	18	1	1	1	5	35	1	1	1
TOTALS.....	8,303	4,158	4,145	172	1,501	4,467	593	1,323	245	2	187

Encephalitis.....	2	1	1	1	1	1	1	1	1	1	1
Influenza.....	3	2	1	2	1	1	1	1	1	1	1
Measles.....	1	1	1	1	1	1	1	1	1	1	1
Lobar Pneumonia.....	9	7	2	2	1	1	1	1	1	1	1
Polioyelitis.....	2	1	1	1	1	1	1	1	1	1	1
Scarlet Fever.....	2	2	1	1	1	1	1	1	1	1	1
Septic Sore Throat.....	1	1	1	1	1	1	1	1	1	1	1
Tuberculosis (Pulmonary).....	19	12	5	1	1	1	1	1	1	1	1
Tuberculosis (other forms).....	3	1	2	1	1	1	1	1	1	1	1
Syphilis.....	5	5	5	1	1	1	1	1	1	1	1
TOTALS.....	47	33	14	4	1	6	2	28	1	1	1

## DEATHS



**ISOLATION HOSPITAL**

Eight hundred and twelve patients were admitted to the Isolation Hospital during the year 1950. There were 48 outpatients and 17 patients died.

The admissions to the hospital were for the following causes:

Scarlet Fever .....	371	Erysipelas .....	17
Diphtheria .....	6	Measles .....	29
Diphtheria carriers .....	2	Rubella .....	50
Poliomyelitis .....	65	Whooping Cough .....	7
Meningitis (meningococcic) .....	2	Chickenpox .....	12
Meningitis (tuberculosis) .....	5	Mumps .....	89
Tuberculosis .....	24	Septic sore throat .....	14
Typhoid Fever .....	1	Vincent's Angina .....	6
Typhoid carrier .....	1	Ringworm .....	11
Paratyphoid .....	4	Others .....	90
Encephalitis .....	6		

The deaths included:

Scarlet Fever .....	3	Poliomyelitis .....	3
Measles .....	2	Tuberculosis (meningitis) .....	4
Diphtheria .....	1	Others .....	4

**SCHOOL MEDICAL SERVICES**

	Public School Board	R.C. Separate School Board
Complete examinations .....	7947	530
Number reported with defects .....	3447	114
Number reported without defects .....	7331	416
Parents present at examinations .....	4850	288
Home visits by nurses .....	609	97
Talks to classes .....	370	...

**TUBERCULOSIS CONTROL****Kinsmen's Club Service**

	1950	1949	1948
Total visits by Nurse .....	2007	1986	2585
Visits to T.B. cases .....	693	610	709
Visits to suspect cases .....	125	123	125
Visits to contact cases .....	1063	1102	1596
Co-operative visits .....	126	107	115
Not seen, moved, etc. ....		44	40

**Provincial Tuberculosis Division****Examinations:**

Active cases .....	131	91	61
Suspects .....	220	164	123
Contacts .....	552	569	339
Non-contacts .....	350	741	640
Total examinations .....	4251	3891	3210
Total X-rays .....	3698	3169	3420
Tuberculin test made .....	1987	1670	1703
Tuberculin tests positive .....	850	516	585
Mobile X-ray clinic .....			61699

**WELL BABY AND PRE-SCHOOL CLINIC**

	1950	1949	1948	1947	1946
Number of clinics .....	250	249	232	240	200
Attendance under 1 year .....	10954	10429	9594	10260	...
Attendance over 1 year of age...	4368	4823	3793	1690	...
Total attendance .....	15322	15272	13387	11950	8167
Average attendance .....	61	61	58	50	41
New admissions under 1 year....	2869	2768	2417	2564	1881
New admissions over 1 year ....	723	829	784	511	328
Re-admissions .....	113	121	123	109	97
Referred to Family doctor ....	170	135	112	107	31
Out-of-town cases .....	370	356	335	225	153
Total attendance from out of town .....	886	...	...	...	...

338 children were discharged, leaving 9,545 on the active roll.

4 senior interns, under Dr. D. B. Leitch, as consultant, attended the clinics during the year and examined 929 children.

There were 2,564 home visits made to problem cases and very young babies.

During the year there were 191 student days. These were made up of B.Sc. and Public Health nurses from the University of Alberta who were with us for observations at Clinics as well as home visiting, and student nurses from the University Outdoor Clinic, Royal Alexandra Hospital, Misericordia Hospital and new staff members from the Provincial Department of Health.

**VICTORIAN ORDER OF NURSES**

	1950	1949	1948	1947	1946
Pre-natal visits .....	84	165	295	171	198
Obstetrical (nursing care) .....	...	9	6	11	0
Obstetrical (advice) .....	1145	1353	1470	1447	1333
Newborn (Nursing care) .....	432	559	711	754	657
Newborn (health supervision) ....	1474	1576	1358	1303	1796
Other visits .....	5615	5157	5609	3922	2450
Total visits .....	8750	8819	8449	7602	6434
Pre-natal clinics .....	35	..	50	50	59
Total attendance .....	393	391	550	528	577
Average attendance .....	11	...	11	10	12
Mothers enrolled .....	100	58	114	115	115

## SANITATION

**INSPECTIONS:**

	1950	1949
Dwellings .....	216	423
Hotels, lodging houses, apartment blocks .....	271	260
Schools, blocks, public buildings .....	67	74
Stores, business establishments .....	53	98
Food handling establishments .....	7,025	6,600
Garbage cans, etc. ....	417	746
Streets, lanes, yards, dumps, etc. ....	79	326
Miscellaneous .....	785	1,930
	8,913	10,457
Re-inspections .....	465	424

**NOTICES:**

Written .....	287	381
Verbal .....	569	958
Garbage .....	63	180

**COMPLAINTS:**

Received from public .....	545	639
Justified .....	438	576
Received from other departments .....	23	12
Referred to other departments .....	46	77

The complaints were made up as follows:

Garbage, streets, lanes, etc. ....	204	232
Vermin .....	32	31
Housing, plumbing and drainage .....	188	250
Food and drink .....	52	53
Miscellaneous .....	69	73

**LICENSES:**

License applications investigated .....	2,936	2,952
---	-------	-------

**PLUMBING:**

Sewer and water notices issued .....	11	15
Sewer and water installed, buildings removed, etc. ....	14	14
Extension of time granted .....	23	9
Plumbing permits issued .....	3,383	2,990
Plumbing permits issued for old buildings .....	41	41
Alterations to existing plumbing (fixtures) .....	1,241	1,630
Privies eliminated through installation of plumbing .....	41	41
Number of septic tanks installed .....	6	19

**DISINFESTING STATION:**

Baths .....	3,539	3,401
Verminous .....	3	.
Scabies .....	89	151
Disinfested .....	91	151
No. of Men Washing Clothes .....	2,683	2,497
Units Washed .....	8,049	7,491

**SCAVENGING CLEAN-UP WORK:**

Refuse removed during Clean-up Week (cubic yards).....	11,766	12,624
--	--------	--------

**ANIMALS, BARNS, STYES:**

Cow owners .....	171	247
Hog owners .....	51	78
Goat owners .....	15	23
Fur farm owners .....	62	76

**FOOD:**

Samples submitted to Provincial Laboratory .....	2	15
Foodstuffs condemned (lbs.) .....	3,573	27,688

**WATER:**

Water samples taken .....	33	20
Negative .....	9	12
*Positive .....	3	8
*Suspicious .....	.	.
For fluorine .....	21	.
Wells chlorinated .....	2	1
Wells placarded .....	1	.
Ice samples .....	.	1
Rinse water samples .....	.	.

\*—Wells condemned or further samples taken after chlorination.

**HOUSING:**

Vermin, overcrowding and other insanitary conditions were checked in 216 dwellings and 271 hotels, lodging houses, apartment blocks, etc. Necessary notices were issued.

**POISON GAS FUMIGATION:**

Vermin were eliminated from ten establishments by hydrocyanic acid gas.

**ENFORCEMENT OF REGULATIONS:**

Prosecutions .....	i
--------------------	---

## FOOD INSPECTION

## MEATS INSPECTED AND CONDEMNED

<b>Beef</b>	1950	1949	1948
No. of carcasses inspected	2,618	2,763	3,026
Carcasses condemned	8	21	20
Portions condemned	191	234	253
Weight (lbs.) of carcasses and portions condemned	7,305	13,380	13,340

<b>Veal:</b>			
No. of carcasses inspected	1,642	2,168	1,886
Carcasses condemned	4	4	10
Portions condemned	49	69	35
Weight (lbs.) of carcasses and portions condemned	1,755	1,955	2,440

<b>Mutton:</b>			
No. of carcasses inspected	225	404	367
Carcasses condemned	5	9	8
Portions condemned	5	15	2
Weight (lbs.) of carcasses and portions condemned	345	645	430

<b>Pork:</b>			
No. of carcasses inspected	3,572	2,798	2,831
Carcasses condemned	17	21	33
Portions condemned	1,210	834	760
Weight (lbs.) of carcasses and portions condemned	18,607	15,660	16,540

<b>Totals:</b>			
No. of carcasses inspected	8,057	8,133	8,110
Carcasses condemned	34	55	71
Portions condemned	1,455	1,152	1,050
Weight (lbs.) of carcasses and portions condemned	28,012	31,720	32,750

## CARCASSES FOUND TO BE INFECTED WITH T.B.

<b>Beef:</b>			
Infected	8	18	25
Percent	.30	.65	.82

<b>Pork:</b>			
Infected	729	556	515
Percent	20.41	19.83	18.20

## CHIEF CAUSES OF CONDEMNATION, 1950

<b>Beef:</b>	<b>Carcasses</b>	<b>Portions</b>	<b>Weight Lbs.</b>
Abscess .....	..	46	645
Abscess multiple .....	1	..	400
Actinomycosis .....	..	103	2,035
Bruised .....	1	3	725
Emaciation .....	1	..	450
Tuberculosis .....	1	12	725
Septicemia .....	1	..	550
Pneumonia .....	3	..	1,425
Miscellaneous (adhesions, jaundice, parasites) ..	..	27	350
	<u>8</u>	<u>191</u>	<u>7,305</u>
 <b>Veal:</b>			
Abscess .....	..	23	310
Actinomycosis .....	..	8	120
Abscess multiple .....	1	..	220
Bruised .....	1	3	260
Gangrene .....	1	..	300
Peritonitis .....	1	..	400
Miscellaneous (adhesions, jaundice, parasites) ..	..	15	145
	<u>4</u>	<u>49</u>	<u>1,755</u>
 <b>Mutton:</b>			
Abscess multiple .....	2	..	125
Bruised .....	..	4	45
Parasites .....	2	..	105
Miscellaneous (abscess, pneumonia) .....	1	1	70
	<u>5</u>	<u>5</u>	<u>345</u>
 <b>Pork:</b>			
Abscess multiple .....	3	..	550
Adhesions .....	..	89	1,275
Arthritis .....	2	..	300
Contamination .....	..	155	2,380
Parasites .....	..	144	428
Pneumonia .....	2	..	325
Tuberculosis .....	9	787	12,764
Jaundice .....	..	19	275
Miscellaneous (abscess, bruised, emaciation, rhinitis inf.) .....	1	16	310
	<u>17</u>	<u>1,210</u>	<u>18,607</u>

**DISEASED ANIMALS**

	1950	1949	1948
Beef .....	184	221	245
Veal .....	43	62	38
Mutton .....	5	16	6
Pork .....	910	657	605
Total amount of meat condemned .. . . .	28,012	31,640	32,750

**FOODSTUFFS CONDEMNED BY INSPECTORS**

Canned goods .....	...	...	1
Fruit and vegetables .....	...	13	30,085
Meat .....	12	185	...
Fish .....	...	...	65
Poultry .....	154	108	270
Damaged by fire, flood, etc. . . . .	3,407	27,334	5,502
Sundries .....	...	48	14
Total (lbs.) .. . . .	3,573	27,688	35,937



## MILK AND WATER REPORT

	1950		1949	
	Total No. Premises	No. of Inspections	Total No. Premises	No. of Inspections
<b>Inspections:</b>				
Producer-distributors, raw milk .....	1	23	2	25
Producer-shippers, milk .....	404	1,165	336	392
Pasteurization Plants .....	4	168	4	165
Vehicles .....		215		208
Others, complaints, etc. ....		14		9
<b>Licenses and Permits:</b>				
Retail milk certificates issued .....		568		521
Dairy Licenses issued .....		404		376
Dairy Licenses refused .....		12		4
Dairy Licenses suspended temporarily ..		73		339
Permits issued to cow keepers in the city .....		211		297
<b>Samples:</b>				
Milk samples taken, retail .....		780		827
Milk samples taken, shippers .....		8,672		14,804
Cream samples taken .....		145		22
Special Milk samples .....		32		5
Chocolate Milk samples .....		98		82
Ice cream samples .....		14		30
<b>TESTS—Milk:</b>				
Standard plate counts .....		780		827
Coliform tests .....		213		21
Phosphatase tests .....		621		676
Methylene Blue tests .....		8,672		14,804
Butterfat tests .....		133		384
Sediment tests .....				408
<b>Restaurants:</b>				
Swab tests of utensils .....		975		203
<b>Water:</b>				
Standard plate counts .....		292		292
Coliform tests .....		292		292
Chlorine content checks .....		257		260
Raw river water plate counts.....		27		29
<b>Swimming Pools:</b>				
Plate counts .....		142		418
Coliform tests .....		142		418
Inspections .....		77		





